What is claimed is:

1	1.	An	application	operable	on	а	computer	adapted	. tc
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- 2 communicate using at least an IPX/SPX protocol, said
- 3 application comprising:

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- 4 means for accessing a table for storing a plurality of
- 5 IPX/SPX network segment addresses and the number of hops each
- 6 segment is from the computer accessing said table;

IPX/SPX Routing Information Protocol (RIP) request packet sending means adapted to transmit an RIP request packet across an IPX/SPX network;

IPX/SPX Routing Information Protocol (RIP) response packet receiving means adapted to receive RIP response packets from within a pre-determined number of network hops and to store the network segment addresses and the number of hops each segment is from the computer contained in said RIP response packets in said table;

- 16 IPX/SPX broadcast means responsive to an application request
- 17 to transmit an application defined packet to network segments
- within a pre-determined number of hops stored in said table.

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- 2. An application according to claim 1 wherein said
 application is a multi-platform Internet browser adapted to
- 3 communicate using a TCP/IP protocol and further comprising:
- 4 means, responsive to a domain name server (DNS) response
- 5 indicating failure to locate a web server corresponding to a
- 6 uniform resource locator (URL), for causing said IPX/SPX
- 7 broadcast means to transmit a name request for an IPX/SPX
- 8 server providing a service corresponding to said URL; and

means, responsive to receipt of a response to said name request containing an IPX/SPX address of an IPX/SPX server, for relaying said address to said application enabling peer-to-peer communication between said application and said IPX/SPX server.

- 3. An application according to claim 2 wherein said IPX/SPX Routing Information Protocol (RIP) request packet sending means is responsive to a domain name server (DNS) response indicating failure to locate a web server corresponding to a uniform resource locator (URL), to transmit said RIP request packet across an IPX/SPX network.
- 4. An application according to claim 2 wherein said IPX/SPX

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- 2 Routing Information Protocol (RIP) request packet sending
- 3 means is adapted to periodically transmit said RIP request
- 4 packet across an IPX/SPX network.
- 1 5. An application according to claim 1 comprising:
- 2 means for causing said IPX/SPX broadcast means to transmit a
- name request for an IPX/SPX server providing a service; and

means, responsive to receipt of a response to said name request containing an IPX/SPX address of an IPX/SPX server, for relaying said address to said application enabling connection oriented peer-to-peer communication between said application and said IPX/SPX server.

- 6. An application as claimed in claim 5 wherein said application is adapted to communicate using a TCP/IP protocol and further comprising:
- 4 means, responsive to no reply being received for said name
- 5 request, for transmitting a TCP/IP name request for a TCP/IP
- 6 server providing said service.

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The state was said the of

1	7.	An	application	as	claimed	in	claim	1	wherein	said
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- 2 computer is a multi-platform router also adapted to
- 3 communicate using a TCP/IP protocol, said router comprising:
- 4 means, responsive to a domain name server (DNS) response for
- 5 a client indicating failure to locate a web server
- 6 corresponding to a uniform resource locator (URL) required at
- 7 said client, for causing said IPX/SPX broadcast means to
- 8 transmit a name request for an IPX/SPX server providing a
- 9 service corresponding to said URL; and

means, responsive to receipt of a response to said name request containing an IPX/SPX address of an IPX/SPX server, for relaying said address to said client enabling peer-to-peer communication between said client and said IPX/SPX server.

- 8. An application as claimed in claim 1 wherein said computer
- 2 is a multi-platform router also adapted to communicate using a
- 3 TCP/IP protocol, said router comprising:
- 4 means, responsive to a domain name server (DNS) request from a
- 5 client, for causing said IPX/SPX broadcast means to transmit a
- 6 name request for an IPX/SPX server providing a service
- 7 corresponding to said URL; and

- 8 means, responsive to receipt of a response to said name
- 9 request containing an IPX/SPX address of an IPX/SPX server,
- 10 for relaying said address to said client enabling peer-to-peer
- 11 communication between said client and said IPX/SPX server.
 - 9. A multi-platform application as claimed in claim 1 wherein
- 2 said computer is a server.
 - 10. A computer program product comprising computer program code stored on a computer readable storage medium for, when executed on a computing device, communicating using at least an IPX/SPX protocol, the program code comprising the application of claim 1.
- 1 11. In a computer connected to a network, a method for
- 2 communicating using at least an IPX/SPX protocol, comprising
- 3 the steps of:
- 4 transmitting a Routing Information Protocol (RIP) request
- 5 packet across an IPX/SPX network;
- 6 receiving one or more RIP response packets from within a

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7 pre-determined number of network hops;

storing in a table a plurality of IPX/SPX network segment

addresses and the number of hops each segment is from the

computer accessing said table contained in said RIP response

packets; and

responsive to an application request, transmitting an application defined packet to network segments within a pre-determined number of hops stored in said table.